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(54) POSITIVE TYPE PHOTOSENSITIVE COLORED COMPOSITION

(57)Abstract:
PROBLEM TO BE SOLVED: To provide a photosensitive colored compsn. having high sensitivity, improving the profile of a positive type chemical amplification type pattern and suitable for use in the production of a color filter by incorporating a low molecular acid-decomposable dissolution inhibiting compd. which undergoes the increase of solubility in a developer by the action of an acid and has a specified mol.wt., a colorant, etc.
SOLUTION: The photosensitive colored compsn. contains a resin insoluble in water but soluble in an aq. alkali soln., a compd. which generates an acid when irradiated with active light or radiation, a low molecular acid- decomposable dissolution inhibiting compd. which has an acid-decomposable group, undergoes the increase of solubility in an alkali developer by the action of the acid and has a mol.wt. of ≤3,000 and a colorant. The amt. of the alkali- soluble resin is 10-80 wt.%, preferably 20-70 wt.% of the total solid content of the colored compsn. A photo-cationic polymn. photoinitiator, a photo-radical polymn. photoinitiator or a dye photo-decoloring agent may be used as the photo-acid generating agent.

LEGAL STATUS

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